Claims

1.-14. (canceled)

15. (new) A communication arrangement for an information transfer over a transmission line operatively connected to a first transmission unit, the first transmission unit for communicating information with an input impedance dependent on a current operating state, comprising:

a sensor for detecting the current operating state of the first transmission unit;

an impedance assigned to the sensor; and

a switchable electrical component provided as a function of the detected current operating state such that the input impedance of the first transmission unit is kept to an approximately constant value,

wherein the current operating state comprises an active operating state or a passive operating state.

16. (new) The communication arrangement as claimed in claim 15, wherein the communication information is sent from the first transmission unit or received by the first transmission unit.

17. (new) The communication arrangement as claimed in claim 15, wherein the communication information is sent from the first transmission unit and received by the first transmission unit.

18. (new) The communication arrangement as claimed in claim 15, wherein the first transmission unit comprises a plurality of operational amplifiers for transmitting the information onto the transmission line, the switchable electrical component comprising a switch for switching between outputs of the plurality of operational amplifiers, the impedance and the sensor being adapted so that the switch is open in the active operating state and closed in the passive operating state.

19. (new) The communication arrangement as claimed in claim 15, wherein the switchable electrical component comprises an electrical resistor.

20. (new) The communication arrangement as claimed in claim 15, wherein the switchable electrical component is operatively connected to an electrical resistor.

21. (new) The communication arrangement as claimed in claim 15, further comprising a transmission that is embodied in accordance with an xDSL transmission method.

22. (new) The communication arrangement as claimed in claim 15, further comprising a second transmission unit for sending or receiving information, the second transmission unit embodied in accordance with an ISDN transmission method and is operatively connected to the transmission line.

23. (new) The communication arrangement as claimed in claim 15, further comprising a second transmission unit for sending and receiving information, the second transmission unit embodied in accordance with an ISDN transmission method and is operatively connected to the transmission line.

24. (new) The communication arrangement as claimed in claim 15, wherein the sensor is adapted so that an activation signal transmitted over the transmission line is detected, and that when the activation signal is detected the active operating state of the first transmission unit is established.

25. (new) The communication arrangement as claimed in claim 24, wherein the activation signal is a wake-up signal in accordance with an ITU-T G.922 standard.

26. (new) A transmission unit for communicating information over a transmission line, comprising:

a current operating state having an active or a passive operating state;

an input impedance dependent on the current operating state;

a sensor for detecting the current operating state of the transmission unit; and

an impedance assigned to the sensor via a switchable electrical component, the switchable electrical component provided as a function of the detected current

operating state so that the input impedance of the transmission unit is kept to an approximately constant value.

27. (new) The transmission unit as claimed in claim 26, further comprising a plurality of operational amplifiers for transmitting information onto the transmission line.

28. (new) The transmission unit as claimed in claim 27, wherein the switchable electrical component is switched between outputs of the amplifiers via a switch controlled by the sensor, the impedance and the sensor adapted so that the switch is open in the active operating state and closed in the passive operating state.

29. (new) The transmission unit as claimed in claim 26, wherein the switchable electrical component comprises an electrical resistor.

30. (new) The transmission unit as claimed in claim 26, wherein the transmission unit is embodied in accordance with an xDSL transmission method.

31. (new) The transmission unit as claimed in claim 26, wherein an external circuit arrangement which can be operatively connected to the transmission unit comprises the sensor and the impedance.

32. (new) A circuit arrangement for external connection to a transmission unit, the transmission unit for communicating information over a transmission line, comprising:

a current operating state of the transmission unit, the current operating state having an active or a passive operating state; and

an impedance assigned to a sensor via a switchable electrical component, the switchable electrical component having a switch and provided as a function of the detected current operating state so that an input impedance of the transmission unit is kept to an approximately constant value.

33. (new) The circuit arrangement as claimed in claim 32, further comprising the sensor.